

Announcement and 1st Call for Papers
Jon Kusler
**Association of State Wetland Managers and
International Institute for Wetland Science and Public Policy**

**Mid-Atlantic/Northeast
STREAM, FLOODPLAIN AND WETLAND
RESTORATION WORKSHOP:
Stream Stability and Natural Channel Design Concepts in
Watershed and Source Water Management**

November 12-14, 2002

**Bear Mountain Inn
Bear Mountain, New York**

(South of Newburg, New York on the Hudson, near interstates 87 and 84, a short distance from Stewart International Airport.)

Hosts: New York City Department of Environmental Protection; Association of State Wetland Managers; International Institute for Wetland Science and Public Policy; U.S. Environmental Protection Agency; New York Department of Environmental Conservation; USDA Natural Resources Conservation Service; and U.S. Fish and Wildlife Service.

Cooperating Parties: We will be contacting a broad range of potential cooperating parties. Are you interested? Please join us.

- U.S. Environmental Protection Agency, Office of Ground Water and Drinking Water
- Others to be added.

Sponsors:

- U.S. Environmental Protection Agency, Division of Wetlands
- U.S. Environmental Protection Agency, Watershed Division
- U.S. Environmental Protection Agency, Region 2, Wetlands Division
- USDA Natural Resources Conservation Service
- U.S. Fish and Wildlife Service, Partners for Fish and Wildlife Program

Principal Investigator: Jon Kusler, Associate Director, Association of State Wetland Managers and the International Institute for Wetland Science and Public Policy

Workshop/Training Goals: To promote and build the capabilities of local governments, states, federal agencies, not for profits and others in the Mid-Atlantic and Northeast to utilize stream stability and natural channel design concepts in stream, riverine wetland, floodplain and watershed management and restoration. More specific goals include:

- Help attendees understand river stability and natural channel design concepts and how these concepts can be integrated into stream, wetland, floodplain, source water, and watershed protection and restoration,
- Provide guidance on fluvial geomorphological concepts and natural channel design in the context of watershed problem prevention and problem solving,
- Help attendees understand how to initiate, plan, fund, and implement a stream, floodplain, or riverine wetland river restoration project, and
- Develop a Mid-Atlantic/Northeastern network of federal, state, and local agency staff, not for profits, academics, consultants and others interested in stream stability and natural channel design as related to source water protection and watershed management.

Duration of Workshop and Training: This will be a three-day symposium/training workshop. Symposium papers will be presented on the first and third days. Training workshops will be held on the second day.

Background Materials: Materials will be prepared for the training workshop and distributed to all attendees. They will include existing papers on stream restoration, annotated bibliographies, memos, and newly prepared materials. These will include a CD Rom.

Need for the Workshop and Training Session: Our understanding of wetland, stream, and watershed resources, and with it the underlying science directed to protecting, managing and restoring for multiple benefits is rapidly growing and changing. Although the U.S. and many other countries have been altering rivers, streams, wetlands and other water resources for hundreds of years, only in recent years has stream stability become a goal in stream, floodplain, and watershed management. This reflects an important movement away from single objective strategies of the past (for example flood loss reduction) to integration of multiple uses, functions and values in wetland, stream, and watershed management.

The maintenance and restoration of stream stability as a goal in watershed management has many benefits:

- It can help protect water supplies from sediment and other pollutants,
- It can help reduce flood losses,
- It can help reduce erosion losses,
- It can help protect and restore wetland, stream, and watershed habitat,
- It can help meet broader recreation, greenway, and open space goals, and
- It can facilitate the monitoring of wetland, stream, and watershed protection and restoration efforts by establishing a common goal for such efforts and by documenting base-line conditions at various points in time.

There is increasing recognition from the science, engineering, and water resource management communities that thoughtful, adaptive watershed management strategies based upon stream stability and natural channel design concepts can provide more holistic and effective management of watershed resources.

In New York, historic innovations directed to protecting the water supply for New York City through the use of stream stability and natural channel design concepts in watershed management. These include goal setting, information gathering, on the ground, pilot stream restoration projects, and watershed level planning through the use of GIS systems. These efforts have made the state and the New York City agencies national leaders in developing the science of river and stream management as part of watershed management.

This workshop and training session will be an important opportunity for the New York Department of Environmental Protection staff to share their progress with interested individuals throughout the Mid-Atlantic as well as to bring other national leaders and innovators together to share their experiences and chart new directions for the use of stream stability and natural channel design concepts in watershed management.

Invitees: Local, state and federal resource protection and watershed management agency staff (planning, engineering, floodplain, riparian area, riverine wetland, stream, public land management), not for profit staff, academics, consultants, landowners and others.

Proposed Agenda and Lists of Topics (for discussion purposes only)

Day 1. Stream Stability and Natural Channel Design in Watershed Management.

- **New York Department of Environmental Protection Water Supply Protection and Watershed Management Experience.**
- **Natural Channel Design and Source Water Protection.**
- **Natural Channel Design and Stream Biology.**
- **Regional Inventories of Restoration Sites.**
- **Dam Removal and Natural Channel Design.**
- **Soil Bioengineering Systems Applied to Stream Restoration and Flood Damage Reduction Projects.**
- **Progress in State and Local Programs in the MidAtlantic and Northeast.**

Mixer and Poster Session, Restoration Fair (Open to the public).

Day 2. Training Workshops (Simultaneous Breakout Sessions)

- **Training Workshop 1. Natural Stream Channel Design Concepts and Models, Understanding Fluvial Processes—The Basis for Advanced Design.**
 - Developing Design Criteria
 - Reference, Empirical and Analytical Design Tools
 - Formulating a Detailed Design
- **Training Workshop 2. Restoration and Source Water Protection.**
- **Training Workshop 3. Dam Removal.**
- **Training Workshop 4. Restoration in River Corridor Planning and Management.**

Mixer and Poster Session, Restoration Fair.

Technical Issues. Question and Answer Session (No presentations).

Day 3. Symposium and Breakout Sessions

- **Technical Case Studies of Stream Restoration.**
- **Stream Restoration and Regulatory Permitting.**
- **Riparian and Wetland Buffers.**
- **Legal Considerations in Restoration.**
- **Public Participation and Partnerships.**

Call for Paper Topics and Abstracts:

We are looking for good, “how to” presentations on the following topics:

- **Natural channel design case studies**
- **Northeast/Mid-Atlantic bioengineering case studies**
- **Stream, floodplain, riparian, or wetland restoration and source water protection**
- **Regional inventories for sites needing restoration**
- **Stream restoration and regulatory permitting**
- **Stream classification for restoration purposes**
- **The use of Regional Curves**
- **Urban stream restoration**
- **Restoration in river corridor planning and watershed management**
- **Restoration and stream biology**
- **Legal issues in restoration**
- **Case studies concerning public participation and partnerships**

If you are interested in making a presentation, please submit a 200-300 word abstract by July 1 to the Association of State Wetland Managers. See address listed below.

Workshop Registration Fee: A registration fee of \$125 for ASWM Members; \$135.00 for Nonmembers will be charged to attendees for the principal workshop. Speakers, not for profits, and students will be charged a reduced fee of \$65.00. Food Charges will be in addition.

Poster Sessions: The mixers/poster sessions will allow individuals and groups involved with stream restoration projects from the Mid-Atlantic/Northeast to meet each other, share their projects, and share lessons learned. Poster/exhibit space will be free to exhibitors paying the conference registration fee.

Travel and Lodging: Travel and lodging will be the responsibility of all participants. A block of rooms will be set aside at Bear Mountain Inn and other nearby hotels.

For more information contact: The Association of State Wetland Managers (ASWM), P.O. Box 269, Berne, NY 12023-9746; 518-872-1804; Fax: 518-872-2171; E-mail: aswm@aswm.org; Web site: www.aswm.org.

QUESTIONNAIRE:
Mid-Atlantic/Northeast
Stream, Floodplain and Wetland Restoration Training Workshop

How might you suggest that the meeting could be most useful to you or your agency? Please fill out the following and return it by June 17, 2002. Send or fax it to Jon Kusler, The Association of State Wetland Managers, P.O. Box 269, Berne, NY 12023-9746; 518-872-1804; Fax: 518-872-2171; E-mail: aswm@aswm.org.

Name: _____ Agency _____

Address: _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____ E-mail _____

1. Would your organization like to be listed as a cooperating or sponsoring party? (No financial obligation will be required for cooperating parties although help with scholarships for not for profits would be welcome.)
2. Would your organization like to have display/poster space?
3. What topics would you like to see emphasized in the workshop agenda? In the training session agenda?
4. Would you like to make a presentation? Who else would you recommend as speakers? We would appreciate suggestions with name, telephone number, address, topic, etc.
5. Do you have any recommendations for local field trips? Please give a brief location and description of the site.
6. How else can we make this workshop useful to you and your organization?

Thank you!